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WHAT IS CLAIMED IS:

- 1. A method for customizing a facial foundation at point of sale to a customer comprising:
- (i) obtaining a reading of a customer's natural skin coloration by applying a means for measuring coloration in proximity to the skin;
- (ii) transmitting the reading to a programmable means for selecting an optimal facial foundation formula by correlating the reading with one of a preprogrammed set of formulas;
- (iii) transferring the selected preprogrammed formula as operating instructions to a fermulation machine for automatically preparing the formula;
- (iv) dosing together within the formulation machine a <u>plurality of</u> cosmetic chemical compositions including at least one pigment, the plurality of compositions being chosen in accordance with information provided by the selected preprogrammed formula; and
- (v) delivering into a container the dosed formula to the customer as a facial foundation product.
- 2. A method according to claim 1 wherein the means for measuring coloration can also measure at least one skin characteristic selected from the

1.	group consisting of a customer's natural skin moisturization, oiliness, texture and
2	irritation sensitivity.
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4	3. A method according to claim 1 wherein the means for measuring is
5	a spectrophotometer.
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7	4. A method according to claim 3 wherein the spectrophotometer is
В	formed with at least one light-emitting diode.
9	
10	5. A method according to claim 3 wherein the spectrophotometer
11	measures visible wavelength light which interacts with the skin.
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13	6. A method according to claim 3 wherein the spectrophotometer
14	measures infrared wavelength light which interacts with the skin.
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16	7. A method according to claim 1 wherein there are at least four
17	cosmetic chemical compositions, each of which are contained in a separate
18	dispenser, and the compositions being respectively a red, yellow, black and
19	white menochromatic composition.

l _	8. A\method according to claim / wherein the monochromatic
2	compositions or other non-monochromatic cosmetic chemical composiitons
3	include ingredients that are selected from the group consisting of emollients,
l	sunscreens, moisturizers, perfumes, solvents, and wrinkling and skin-aging
5	inhibitors.
5	
7	9. A method according to claim 1 further comprising the step of a
3	customer inputting a modification to alter the selected optimal formula.
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LO	10. A method according to claim 1 further comprising the step of
1	assigning an identification mark to each customized facial foundation product,
12	labeling on the container the mark, and storing the identification within the
13	programmable means to permanently identify the customized facial foundation
4	product with the customer.
.5	
16	11. A method according to claim 10 wherein the marking is in the form
7	-of-a-bar code.
8.	
9	12. An apparatus for customizing a facial foundation product at point of
20	sale to a customer, comprising:
21	(i) a means for measuring a customer's natural skin coloration

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1	and for generating a signal conveying information on the measured natural skin		
2	coloration;		
3	(ii) a pro	ogrammable means for receiving the signal, for corre-	
4 .	lating the signal with o	ne of a preprogrammed set of formulas, and for select-	
5	ing an optimal formula	from the preprogrammed set; and	
6	(iii) a for	mulation machine for preparing the facial foundation	
7	product comprising:		
8	(a)	a means for receiving the optimal formula as a set of	
9		operating instructions;	
10	(b)	a plurality of dispensers each containing a different	
11	•	cosmetic chemical composition including at least one	
12		pigment;	
13	(c)	a means for activating dosing to a common dosing	
14	•	chamber of certain of the cosmetic chemical	
15		compositions and at certain concentrations as deter-	
16		mined by the operating instructions; and	
17	(d)	a means for delivering the dosed formula into a	
18		container to the customer as a facial foundation	
19		product.	

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1.	13.	The apparatus according to claim 12 wherein the means for		
2-	measurin	measuring coloration can also measure at least one skin characteristic selected		
3	from the	from the group consisting of the customer's natural skin moisturization, oiliness,		
4	texture a	texture and irritation sensitivity.		
5				
6	14.	The apparatus according to claim 12 wherein the means for measur		
7	ing is a sp	ing is a spectrophotometer.		
8				
9	. 15.	The apparatus according to claim 14 wherein the spectrophoto-		
10	meter is f	meter is formed with at least one light-emitting diode.		
11				
12	16.	The apparatus according to claim 15 wherein the spectrophoto-		
13	meter me	meter measures visible wavelength light which interacts with the skin.		
14				
15	17.	The apparatus according to claim 15 wherein the spectrophoto-		
16	meter me	meter measures infrared wavelength light which interacts with the skin.		
17	•			
18	. 18.	The apparatus according to claim 12 wherein there are		
19	at least f	at least four dispensers separately containing a red, yellow, black and white		
20	monochr	monochromatic composition forming individual ones of the cosmetic chemical		
21	compositions.			

1. 2 3

19. The apparatus according to claim 12 further comprising a means for the customer to input a modification to the signal generated by the measuring means.

20. The apparatus according to claim 12 further comprising a means to mark with an identification mark each customized facial foundation product and a means for storing a record of the mark within the programmable means so as to permanently identify with the customer the identification mark.

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21. The apparatus according to claim 20 wherein the identification mark is a bar code.